

GRITSENKO, A.N.; TROFIMOVA, L.I.; BYKOVA, Z.I.; STAROSTINA, I.S.

Use of laboratory methods in the detection of aborted and anicteric forms of epidemic hepatitis in children. Pediatriia 42 no.5:51-54 My'63 (MIRA 16:11)

1. Iz Khabarovskogo instituta eksperimental'noy meditsiny (direktor A.M.Krupnikova) i Lineynoy sanitarno-epidemiologicheskoy stantsii Dal'nevostochnogo vodnogo otdela zdravookhraneniya.(glavnnyy vrach M.S. Konstantinova)

GRITSENKO, A.N.; MAKAREVICH, N.I.; TROFIMOVA, L.I.; SHMAKOTINA, Z.V.;  
STAROSTINA, I.S.

Use of laboratory diagnostic methods for the early detection of  
patients with epidemic hepatitis. Zhur. mikrobiol.; epid. i immun.  
41 no.6:47-51 Je '64. (MIRA 18:1)

1. Khabarovskiy institut epidemiologii i mikrobiologii.

S/081/63/000/001/016/061  
B101/B186

AUTHORS: Mironov, N. N., Trofimova, L. M.

TITLE: Physicochemical study of the systems  $\text{La}_2(\text{SO}_4)_3$  -  $\text{CaSO}_4$  -  $\text{NaOH}$   
-  $\text{H}_2\text{O}$ ,  $\text{Ce}_2(\text{SO}_4)_3$  -  $\text{CaSO}_4$  -  $\text{NaOH}$  -  $\text{H}_2\text{O}$

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 1, 1963, 74, abstract  
1B498 (Tr. po khimii i khim. tekhnol. [Gor'kiy], no. 3, 1961,  
569 - 573)

TEXT: The systems  $\text{La}_2(\text{SO}_4)_3$  -  $\text{CaSO}_4$  -  $\text{NaOH}$  -  $\text{H}_2\text{O}$  and  $\text{Ce}_2(\text{SO}_4)_3$  -  $\text{CaSO}_4$   
-  $\text{NaOH}$  -  $\text{H}_2\text{O}$  were investigated by the solubility method, by measuring the  
pH, and by measuring the electrical conductivity. The compositions of the  
basic salts preceding the formation of the hydroxides were determined.  
 $\text{La}(\text{OH})\text{SO}_4$ ,  $\text{La}_4(\text{OH})_6(\text{SO}_4)_3$ ,  $\text{La}_2(\text{OH})_4\text{SO}_4$ ,  $\text{Ce}_4(\text{OH})_6(\text{SO}_4)_3$ ,  $\text{Ce}_2(\text{OH})_4\text{SO}_4$ .  $\text{CaSO}_4$   
was not coprecipitated on the basic sulfates and the La and Ce hydroxides.  
The conditions for separation of La and Ce from Ca were determined. The  
pH values were found for the precipitation of  $\text{Ca}(\text{OH})_2$  in the presence of

Card 1/2

TROFIMOVA, L.M.

Study of the food supply for fishes in the Yegorlyk Reservoir,  
Stavropol Territory. Gidrobiol. zhur. 1 no.33-37 '65.  
(MIRA 18:6)

1. Stavropol'skiy sel'skokhozyaystvennyy institut.

DIVARI, N.B.; TROFIMOVA, L.S.

Airglow analysis based on brightnesses observed at two points  
on the solar vertical circle. Geomag. i aer. 3 no. 4:657-665  
(MIRA 16:11)  
Jl-Ag '63.

1. Odesskiy politekhnicheskiy institut.

TROFIMOVA, L. T. Cand Med Sci — (diss) "Hypogalactia in Mothers During Their Habitation with Children in Medical Clinics, Its Causes and Methods of Combatting it," Leningrad, 1960, 12 pp, 300 copies (Leningrad Pediatrics Medical Institute) (KL, 48/60, 116)

TROFIMOV

Hypogalactia in mothers during their stay in children's hospitals.  
(MIRA 10:10)  
Pediatría no.7:49-52 J1 '57.

1. Iz Leningradskogo nauchno-issledovatel'skogo pediatricheskogo  
instituta (dir. - prof. A.L.Libov, nauchnyy rukovoditel' - prof.  
M.A.Nabytova-Luk'yanchikova)  
(LACTATION)

BRUNO, V. P., TROFIMOV, L. V., SHURNOVSKAYA, N. A.

Iron

Surface structure of dispersed iron. Zhur. fiz. khim. 26 no. 1, 1952

9. Monthly List of Russian Accessions, Library of Congress, September 1953, Unclassified.  
2

SHAPIRO, N.I.; DUDKINA, M.I.; TROFIMOVA, L.V.

Changes in the oxidation-reduction potential in media during  
submerged culture of paratyphoid bacteria. Zhur. mikrobiol. epid. i  
immun. 40 no.9:97-101 S'63. (MLRA 17:5)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta vaktsin  
i syvorotok.

TROFIMOVA, L.Ya.

Polymyxin in treating certain skin diseases [with summary in English]  
Antibiotiki 3 no.4:100-103 Jl-Ag '58 (MIRA 11:10)

1. Otdel dermatologii (zav. - prof. N.S. Smelov) TSentral'nogo  
kozhno-venerologicheskogo instituta Ministerstva zdravookhraneniya  
RSFSR.

(POLYMYXIN)  
(SKIN--DISEASES)

TROFIMOVA, L. Ya.

State of thermoregulation and chronaxic excitability of the skin receptors  
in chronic pyoderma. Vest. derm. i ven. 32 no.6:15-20 N-D '58.  
(MLRA 12:1)

1. Iz otdela dermatologii (zav. - prof. N.S. Smelov) i otdela patofiziologii (zav. - prof. R.Ya. Malykin) Tsentral'nogo kozhno-vererologicheskogo instituta (dir. - kand. meditsinskikh nauk N.M. Turanov) Ministerstva zdravookhraneniya.

(PYODERMA, Physiol.  
thermoregulation & chronaxic excitability of skin receptors (Rus))

(BODY TEMPERATURE  
regulation in pyoderma (Rus))

(SKIN, physiol.  
chronaxic excitability of receptors in chronic pyoderma  
(Rus))

TROFIMOVA, L.Ya., kand. med. nauk; TISHCHENKO, L.D.

Experience in treating lupus erythematosus using plakenil. Vest.  
derm. i ven. 38 no.11:34-36 N '64. (MIRA 18:4)

1. Otdel dermatologii (zav. - prof. N.S.Smelov) TSentral'nogo  
nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta  
(dir. - dotsent N.M.Turanov) Ministerstva zdravookhraneniya SSSR,  
Moskva.

RESNIKOVA, L.S.; TROFIMOVA, L.Ya.

Serological reactions in patients with lupus erythematosus.  
Vest.derm.i ven. 35 no.3:36-40 Mr '61. (MIRA 14:4)

1. Iz otdela dermatologii (zav. - prof. N.S. Smelov) i otdela  
mikrobiologii (zav. - prof. N.M. Ovchinnikov) Tsentral'nogo  
kozhno-venerologicheskogo instituta (dir. - kand.med.nauk  
N.M. Turanov) Ministerstva zdravookhraneniya RSFSR.  
(LUPUS)

TROFIMOVA, L.Ya.

Effectiveness of antihistamine preparations in the treatment of  
various skin diseases. Sov. med. 21 no.7:117-119 J1 '57. (MIRA 12:3)

l. Iz otdela dermatologii (zav. - prof. N.S. Smelev) Tsentral'nogo  
nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. -  
dots. N.M. Turanov) Ministerstva zdravookhraneniya RSFSR.

(SKIN DISEASES, ther.

antihistaminics, evaluation (Rus))

(ANTIHISTAMINICS, ther. use

skin dis., evaluation (Rus))

TROFIMOVA, L.Ya.

Use of diprazine in pruritic dermatoses. Vest. derm. i ven. 33 no.2:  
58 Mr-Ap '59. (MIRA 12:?)

1. Iz kozhnay kliniki (zav. - prof. N.S. Smelev) Tsentral'nogo kozhno-  
venerologicheskogo instituta (dir. - kand. med. nauk N.M. Turanov)  
Ministerstva zdravookhraneniya RSFSR.  
(PROMETHAZINE, ther. use,  
pruritus (Rus))  
(PRURITUS, ther.  
promethazine (Rus))

REZNIKOVA, L.S.; TROFIMOV, L.Ya.

C-reactive protein in lupus erythematosus and other dermatoses.  
(MIRA 17:6)  
Vest. derm. i ven. 37 no.9:3-9 S '63.

1. Mikrobiologicheskiy otdel (zav. - prof. N.M. Ovchinnikov) i  
kozhnyy otdel (zav. - prof. N.B. Smelov) TSentral'nogo kozhno-  
venerologicheskogo instituta (dir. - kand. med. nauk N.N. Turanov).

KISELEVA, M.L.; KRASKINA, N.A.; TROFIMOVA, L.Ya.

Cytological characteristics of the inflammatory reaction in  
patients with lupus erythematosus and its diagnostic significance.  
(MIRA 14:12)  
Vest.derm.i ven. no.5:23-29 '61.

1. Iz otdela dermatologii (zav. - prof. N.S. Smelov) i otdela  
mikrobiologii (zav. - prof. N.M. Ovchinnikov) TSentral'nogo  
nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta  
(dir. - kand.med.nauk N.M. Turanov) Ministerstva zdravookhraneniya  
RSFSR, iz otdela immunologii (zav. - prof. M.P. Pokrovskaya)  
Moskovskogo nauchno-issledovatel'skogo instituta epidemiologii,  
mikrobiologii i gigiyeny (dir. S.N. Didenko).  
(LUPUS)

KISELEVA, M.L., kand. med. nauk; VOSKRESENSKAYA, G.A., nauchnyy sotrudnik;  
TROFIMOVA, L.Ya., nauchnyy sotrudnik

Diagnostic and prognostic significance of L.E. Cells. Vest. derm.  
i ven. 33 no.2:17-22 Mr-Ap '59. (MIRA 12:7)

1. Iz otdela dermatologii (zav. - prof. N.S. Smelov) i otdela mikro-  
biologii (zav. - prof. N.M. Ovchinnikov) Tsentral'nogo kozhno-venerolo-  
gicheskogo instituta (dir. - kand. med. nauk N.M. Turanov) Ministerstva  
zdravookhraneniya RSFSR.  
(LUPUS ERYTHEMATOSUS, DISCOID,  
L.E. Cells, diag. & progn. value (Rus))

MALYKIN, R.Ya., professor; TROFIMOVA, L.Ya., nauchnyy sotrudnik.

Changes in temperature regulation in pyoderma and the effect of penicillin upon them. Vest.ven.i derm. no.6:8-12 N-D '53.  
(MLRA 6:12)

1. Iz laboratorii funktsional'noy diagnostiki (nauchnyy rukovoditel' - professor R.Ya.Malykin) i otdela dermatologii (zavedmyushchiy - professor L.N.Mashkilleysen) Tsentral'nogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (direktor - kandidat meditsinskikh nauk N.M.Turanov) Ministerstva zdravookhraneniya SSSR.  
(Skin--Diseases) (Penicillin)

SMELOV, N.S., professor; TROFIMOVA, L.Ya., nauchnyy etrudnik

Vesicular forms of follicular dyskeratosis (Darier's disease) Vest.  
ven. i derm. 30 no.4:13-19 Jl-Ag '56. (MIRA 9:10)

I. Iz otdela dermatologii (zav. - prof. N.S.Smelov) TSentral'nogo  
kozhno-venerologicheskogo instituta (dir. - kandidat meditsinskikh  
nauk N.M.Turanov) Ministerstva zdravookhraneniya SSSR.  
(KERATOSIS FOLLICULARIS, pathol.  
vesicular forms)

SMELOV, N.S., prof.; TROFIMOVA, L. Ya.

Antibiotics in the treatment of some skin diseases. Folia med.  
(Plovdiv) 6 no.3s139-145 '64

1. Tsentral'nyy kozhno-venerologicheskiy institut Ministerstva  
Zdravookhraneniya SSSR (Direktor: dotsent N.M. Turanov).

LINDGREN, I.M.; PRORVICH, L.V.; TROFIMOVA, L.Ya.

Aminazine in the combined treatment of pruritic dermatoses.  
Vest. derm. i ven. no.3:50-52 '65. (MIRA 18:11)

I. Kafedra kozhnykh bolezney (zav. - prof. V.A. Rakhmanov)  
I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.  
Sechenova i dermatologicheskij otdel (zav. - prof. N.S. Smalov)  
TSentral'nogo kozhno-venerologicheskogo instituta (direktor -  
dotsent N.M. Turancv) Ministerstva zdravookhraneniya SSSR,  
Moskva.

TROFIMOVA, M.G.

Let's improve the system of commercial enterprises in Moscow. Gor.  
khoz. Mosk. 34 no. 7:39-40 Jl '60. (MIRA 13:7)

1. Chlen postoyannoy komissii torgovli i obshchestvennogo pitaniya  
Mossoveta.  
(Moscow--Retail trade)

KUCHERENKO, Nikandr Ionikiyevich; TROFIMOVA, M.O., red.; KLIMENKO,  
L.I., tekhn. red.

[Chemical analysis of minerals, ores, metals, and alloys;  
manual for teachers] Khimichnyi analiz mineraliv, rud, meta-  
liv i splaviv; posibnyk dlia vchyteliv. Kyiv, Radians'ka shko-  
la. Pt.2. 1961. 155 p. (MIRA 15:8)  
(Alloys--Analysis) (Minerals--Analysis)

TROFIMOVA, M. Ye. Cand. Tech. Sci.

Dissertation: "Effect of Alkaline Compounds on Reduction of Ilmenite and Titano-Magnetite." All-Union Sci Res Inst of Mineral Raw Materials, 29 Jan 47.

SO: Vechernaya Moskva, Jan, 1947 (Project #1736)

TROFIMOV<sup>A</sup>, N.

Chem Abstr 49  
1 - 25 - 54

Joods

Oxidation changes in lard in the process of production.  
N. S. Drozlov, N. P. Materanskaya, and N. Trofimova  
(Moscow Chem.-Technol. Inst. Meat Ind.). *Myasnaya*  
*Ind. S.S.R.* 24, No. 4, 82-5(1953).—This is principally  
a review and discussion of past work. The course of the  
acid no., peroxide no., and epihydraldehyde, and oxy-  
acid contents of 2 lards during production are graphically  
presented. M. M. Piskur

VERTEBNYY, V.P.; VLASOV, M.F.; KIRILYUK, A.I.; KOLOTYY, V.V.; PISANKO,  
Zh.I.; TROFIMOV, Yu.A.

Total neutron cross sections of Re<sup>186</sup> and Re<sup>187</sup>. Atom. energ.  
19 no.3:250-252 S '65. (MZh. 18:9)

BEREZNEGOVSKAYA, L.N.; TROFIMOVA, N.A.

Growing Securinega suffruticosa in sterile conditions. Fiziol.  
rast. 12 no.4:708-713 Jl-Ag '65. (MIRA 18:12)

1. Gosudarstvennyy meditsinskiy institut, Tomsk. Submitted  
October 16, 1964.

L 2226-66 IWT(m)/EPF(c)/ETC/EPF(n)-2/EMG(m)/EWA(b) WW/LM  
ACCESSION NR: AP6023764 UR/0089/65/019/003/0250/0262  
539.172.4:539.170.2

AUTHOR: Vertebyy, V. P.; Vlasov, M. F.; Kirilyuk, A. I.; Kolotyy, V. V.; Pisanko,  
Zh. I.; Trofimova, N. A.

TITLE: Total neutron cross sections of Re super 185 and Re super 187

SOURCE: Atomnaya energiya, v. 19, no. 3, 1965, 250-252

TOPIC TAGS: neutron cross section, rhenium, nuclear energy level, thermal neutron

ABSTRACT: The total neutron cross sections of the separated isotopes Re<sup>185</sup> and Re<sup>187</sup> were determined in the resonance, thermal, and cold energy range. The measurements were carried out on the VVR-M nuclear reactor of the Institut fiziki AN USSR (Institute of Physics, AN SSSR) by using the time-of-flight technique. The cross section of Re<sup>187</sup> obeys the 1/v law in the range below 0.5 - 2 e.v., and that of Re<sup>185</sup>, below 0.08 e.v. The contribution of positive levels to the thermal cross sections of Re<sup>185</sup> amounts to about 56%, and that of Re<sup>187</sup> to about 3% of the total cross section. Analysis of the thermal cross sections show that for Re<sup>187</sup> the energy of the negative level closest to zero is  
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B

L 2226-66

ACCESSION NR: AP5023764

10 e.v.  $\geq |E_0| \geq 5$  e.v., and for Re<sup>185</sup>,  $|E_0| \geq 10$  e.v. The neutron widths given for these levels are at least 15 times greater than the average widths of the positive levels. The total cross section of Re<sup>185</sup> at 2200 m/sec is  $118 \pm 2$  barn, and that of Re<sup>187</sup> it is  $90 \pm 2$  barn. Orig. art. has: 3 figures, 2 tables, and 1 formula.

ASSOCIATION: None

SUBMITTED: 15Dec64

ENCL: 00

SUB CODE: NP

NO REF SOV: 005

OTHER: 009

Card 2/2

BENDRIKOV, G.A.; KRASNUSHKIN, P.Ye.; REYKHRLUDEL', E.M.; POTEMLIN, V.V.;  
MUSTEL', Ye.R.; RZHEVKIN, K.S.; IVANOV, I.V.; KHARLAMOV, A.A.;  
TIKHONOV, Yu.V.; STRELKOVA, L.P.; KAPTSOV, L.N.; OGDANOVICH, A.Ye.;  
KHOKHLOV, R.V.; VORONIN, E.S.; BERESTOVSKIY, G.N.; KRASNOPEVTSEV,  
Yu.V.; MINAKOVA, I.I.; YASTREBTSVA, T.N.; SEMENOV, A.A.; VINO-  
GRADOVA, M.B.; KARPEYEV, G.A.; DRACHEV, L.A.; TROFIMOVA, N.B.;  
SIZOV, V.P.; RZHEVKIN, S.N.; VELIZHANINA, K.A.; NESTEROV, V.S.;  
SPIVAK, G.V., red.; NOSYREVA, I.A., red.; GEORGIYEVA, G.I., tekhn.  
red.

[Special practical manual in physics] Spetsial'nyi fizicheskii  
praktikum. Moskva, Izd-vo Mosk.univ. Vol.1. [Radiophysics and  
electronics] Radiofizika i elektronika. 1960. 600 p.  
(MIRA 13:7)

1. Professorsko-prepodavatel'skiy sostav otdeleniya radiofiziki  
fizicheskogo fakulteta Moskovskogo gosudarstvennogo universiteta  
(for all, except Spivak, Nosyрева, Georgiyeva).  
(Radioactivity) (Electronics)

BENDRIKOV, G.A.; KRASNUSHKIN, P.Ye.; REYKHRUDEL', E.M.; POPEMKIN, V.V.;  
MUSTEL', Ye.R.; RZHEVKIN, K.S.; IVANOV, I.V.; KHAELAMOV, A.A.;  
TIKHONOV, Yu.V.; STRELKOVA, L.P.; KAPTSOV, L.N.; ORDANOVICH,  
A.Ye.; KHOKHLOV, R.V.; VORONIN, E.S.; BERESTOVSKIY, G.N.; KRASNO-  
PEVTSEV, Yu.V.; MINAKOVA, I.I.; YASTREBTSEVA, T.N.; SEMENOV, A.A.;  
VINOGRADOVA, M.B.; KARPEYEV, G.A.; DRACHEV, L.A.; TROFIMOVA, N.B.;  
SIZOV, V.P.; RZHEVKIN, S.N.; VELIZHANINA, K.A.; NESTEROV, V.S.;  
SPIVAK, G.V., red.; NOSYREVA, I.A., red.; GEORGIYEVA, G.I., tekhn.  
red.

[Special physics practicum] Spetsial'nyi fizicheskii praktikum.  
Moskva, Izd-vo Mosk.univ. Vol.1. [Radio physics and electronics]  
Radiofizika i elektronika. Sost. pod red. G.V.Spivaka. 1960.  
600 p.

(MIRA 13:6)

1. Professorsko-prepodavatel'skiy kollektiv fizicheskogo fakul'teta  
Moskovskogo universiteta im. M.V.Lomonosova (for all except Spivak,  
Nosyreva, Georgiyeva).  
(Radio) (Electronics)

ZLENKO, S.I.; TROFIMOVA, N.I.

Infectious mononucleosis. Ped., akush. i gin. 20 no.4:21-24 '58.  
(MIRA 13:1)

1. Detskaya klinika (nauchnyy rukovoditel' - chlen-korrespondent  
AMN SSSR prof. O.M. Khokhol) bol'nitsy im. Kalinina g. Kiyeva  
(glavnnyy vrach - V.O. Udintseva).  
(MONONUCLEOSIS)

TROFIMOVA, N.D.

PYATKIN, K.D. [P'LATKIN, K.D.], TROFIMOVA, N.D., MARKOVA, N.S.

Variability in *Corynebacterium diphtheriae*. Mikrobiol.zhur. 20  
no.1:44-48 '58 (MIRA 11:6)

1. Z kafedri mikrobiologii Krim'skogo medichnogo instituta.  
(*CORYNEBACTERIUM DIPHTHERIAE*,  
variability (Uk))

USSR / Microbiology. Human and Animal Pathogens.  
Corynebacteria.

F

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5623.

Author : Pyatkin, K. D.; Trofimova, N. D.; Markova, N. S.

Inst : Not given.

Title : Changes in Forms of Diphtheria Bacilli.

Orig Pub: Mikrobiol. zh., 1958, 20, No 1, 44-48.

Abstract: Three changed mitis type cultures and four cultures isolated from patients were studied; of these, three cultures were yeast-like forms, three coccoid; the seventh was a V-shaped form with lemon-yellow pigment. All the cultures were transferred every 7-14 days to lysates obtained from *Staphylococcus aureus*, *Streptococcus* *gravis* type of diphtheria bacilli. In one

Card 1/3

USSR / Microbiology. Human and Animal Pathogens.  
Corynebacteria.

F

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5623.

Abstract: Teolytic activity disappeared and their biochemical activity was restored to some extent, but the reversed forms were apathogenic to animals.

Card 3/3

TROFIMOVA, N.D.

Studies on conditions for the regeneration of filtrable forms  
of staphylococci. Mikrobiol.zhur. 21 no.3:45-47 '59.  
(MIRA 12:10)  
1. Z kafedri mikrobiologii Krims'kogo medichnogo institutu.  
(STAPHYLOCOCCUS)

TROFIMOVА, N. D.

"On Antagonistic Characteristics in Dwarf Forms of Micrococci", Zhur Mikrobiol, Epidemiol, I Immunobiol No. 1, pp 28-31, 1950.

TROFIMOVA, N.I.

SCARLET FEVER

"On Reducing the Time of Isolation of Patients Ill with Scarlet Fever in a Hospital", by Professor S.D. Nosov, Z.V. Filicheva, A.A. Tikhonova, N.I. Trofimova, and R.V. Nechayeva, Voprosy Ochrany Materinstva i Detstva, No 4, July-August 1957, pp 34-37.

The authors caution that the early discharge of scarlatinal convalescents from hospitals may become impracticable in case of a serious epidemic of scarlet fever. But provided the regimen and sanitary-epidemiological measures are maintained, the authors say, a reduction of the period of detention of scarlatinal patients up to 11-15 days has proved to be expedient. Any further curtailing of the isolation period can hardly be recommended.

The treatment with penicillin injected intramuscularly during the first days of the disease has reduced the frequency of infections from discharged scarlatinal convalescents; nevertheless, the authors think proper to point out the undesirability of this method.

Card 1/1

*Chair of Infectious Diseases of Children,  
Ivanovo Med. Inst.*

USSR / Microbiology. General Microbiology.

F-1

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90708

Author : Trofimova, N. D.

Inst : The Crimean Medical Institute

Title : Behavior of Dysentery Bacteria and Intestinal Bacilli  
to Sublethal Doses of Chlorine with a Consideration of  
Their Medicinal Resistance and Variability

Orig Pub : Tr. Krymsk. med. in-t, 1957, 17, 141-147

Abstract : The behavior to sublethal doses of chloramine and chlorine  
was studied in the dysentery bacteria Sonne, Flexner,  
subtypes Boyd-Novgorod and Newcastle, and intestinal  
bacilli (citrate-positive and negative) sensitive and  
resistant to otazol and syntomycin. Altogether there were  
46 strains in the experiment. Sonne dysentery bacteria  
exhibited marked resistance to otazol and chlorine, and  
the subtype Boyd-Novgorod showed the least. The authors

Card 1/2

TROFIMOVА, N.D.; GORBUNOVА, O.K.

Application of Endo's medium for detection of enteric bacteria on  
hands in water. Gig. sanit., Moskva no.6:39-40 June 1952. (CLML 23:2)

1. Of the Crimean Institute of Epidemiology and Microbiology.

Trofimova, N. D.  
USSR/Medicine -- Dysentery

FD-2313

Card 1/1      Pub 148 - 14/36

Author      : Trofimova, N. D.

Title      : The problem of the etiology of dysentery and of similar diseases  
              in children

Periodical    : Zhur. mikro. epid. i immun. No 2, 39-40, Feb 1955

Abstract     : Describes the results obtained by testing for and typing of  
              dysentery bacilli isolated from children admitted to the Simfero-  
              pol' Children's Clinic during 1951-1954. Also tested for dysen-  
              tery bacteriophages. Found that many children admitted with di-  
              agnoses other than dysentery were infected with dysentery bacilli.

Institution    : Chair of Microbiology, Crimean Medical Institute

Submitted     : September 11, 1954

GEL'PERIN, B.B.; GUSAKOV, V.D.; LUBAN, Kh.L.; TROFIMOVA, N.N.

Tuning betatrons for maximum intensity. Prib.i tekhn.eksp.  
no.4:13-17 Jl-Ag '60. (MIRA 13:8)

1. Moskovskiy transformatornyy zavod.  
(Betatron)

212300

87362

S/120/60/000/004/001/028  
E032/E414

AUTHORS: Gel'perin, B.B., Gusakov, V.D., Luban, Kh.L. and  
Trofimova, N.N.

TITLE: Methods of Adjustment of Betatrons to Maximum Intensity

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No.4, pp.13-17

TEXT: The intensity of  $\gamma$ -rays produced by a betatron depends on a large number of factors, all of which have to be taken into account in order to obtain the maximum possible intensity. The present authors describe measures which were taken by them to ensure this maximum intensity. The first section of the paper describes devices which were used to obtain the optimum orbit radius. The radius of the orbit was controlled by special coils located on the electromagnet pole-face. The emf induced in these coils by the field produced by the electromagnet was balanced by externally applied emf. When the two emf's are in fact balanced, the radius of the orbit remains unaltered. If, on the other hand, the external emf is less than the emf induced in the coil, then the current produced in the coil gives rise to a magnetic flux which can be used to control the radius of the orbit. By plotting the intensity of the  $\gamma$ -rays as a function of the orbit radius, the

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E032/E414

Methods of Adjustment of Betatrons to Maximum Intensity

optimum radius can be determined. This scheme was used with a 15 MeV betatron in which the radius could be varied by 10 mm, using a current of 36 A. The second section of the paper is concerned with compensation of magnetic field nonuniformities in the air gap of the electromagnet. Since the static nonuniformity remains practically constant, only the phase nonuniformity of the field is considered. Of all the harmonics of the phase azimuthal field nonuniformity, only the first and the second are of importance in the betatron. Therefore, the compensation of the phase nonuniformity is reduced to the minimization of the first and second harmonics. The two harmonics are compensated by two groups of compensating coils which are located at 90° intervals. This is particularly simple in electromagnets with four-yoke construction as shown in Fig.4. It was found in the case of a 25 MeV betatron that the compensation of the phase nonuniformity increases the intensity by a factor of 2. The final section of this paper is concerned with devices which are capable of altering the field index  $n$  at the instant of injection. In the case of a 15 MeV

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E032/E414**Methods of Adjustment of Betatrons to Maximum Intensity**

betatron two turns (in series) were used, having a radius equal to the radius of the equilibrium orbit. One of the turns was located above the chamber and the other below. The turns were connected through a stepdown transformer and a series resistor to the source supplying the electromagnet of the betatron. When only one turn was included in the circuit (either the upper one or the lower one), no change in the intensity occurred when the current was varied between 0 and 0.7 A. However, the intensity was increased by 20% when both coils were included, the current through them being 0.37 A. In one of the electromagnets it was found that there was a large phase shift along the radius and the shift increased with the radius. Although the static field index  $n$  for this magnet was 0.56 to 0.7 (in the region of the equilibrium orbit), the radial phase shift tended to increase  $n$  to about 1 at the instant of injection. This was counteracted by using distributed coils of the form shown in Fig.6. The coils were arranged so that the phase shift produced by them decreased with increasing radius. One group of such coils was placed below the

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S/120/60/000/004/001/028  
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Methods of Adjustment of Betatrons to Maximum Intensity

chamber and another above it. In this way it was possible to ensure that the field index  $n$  did not exceed a certain limiting value at the instant of injection. In some betatrons use was made of orbit contracting coils. These consisted of two turns located above and below the chamber (Fig.8). In a 15 MeV betatron, the  $\gamma$ -ray intensity was increased by the superposition of an additional field at the instant of injection over a  $130^\circ$  sector. This was achieved with the aid of two four-turn coils, placed above and below the chamber respectively (Fig.9). There are 9 figures and 1 table.

ASSOCIATION: Moskovskiy transformatornyy zavod  
(Moscow Transformer Factory)

SUBMITTED: July 10, 1958 (initially)  
June 9, 1959 (after revision)

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87362

S/120/60/000/004/001/023  
E032/E414

Methods of Adjustment of Betatrons to Maximum Intensity

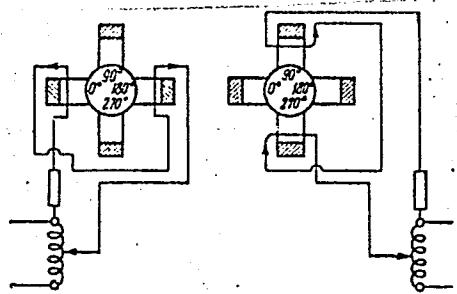


Рис. 4. Схема соединений компенсационных обмоток в электромагните четырехярмной конструкции

Fig. 4

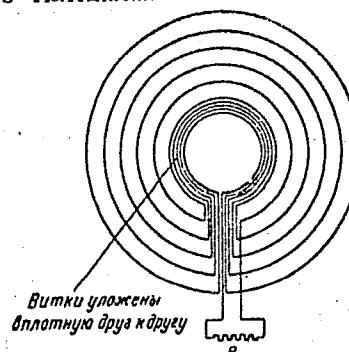


Рис. 6. Схема регулирования коэффициента спадания поля п

Fig. 6

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S/120/60/000/004/001/028  
E032/E414

Methods of Adjustment of Betatrons to Maximum Intensity

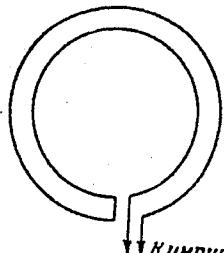


Рис. 8. Схема сужения орбиты в момент прижекции (контракции)

Fig. 8

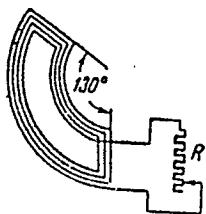
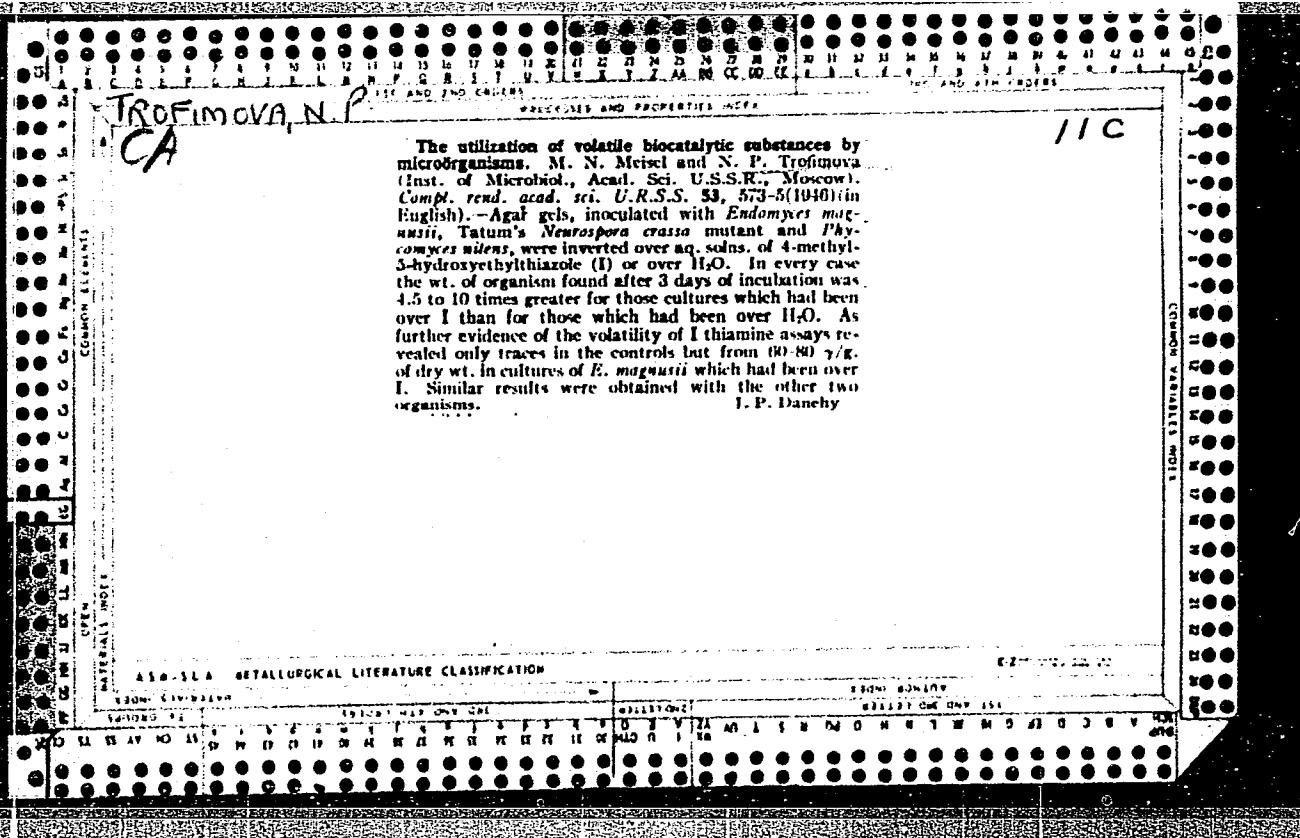


Рис. 9. Секторные витки для наложения дополнительного поля

Fig. 9

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APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8"

TROFIMOVA, N.V.

Interference method for measuring scales up to 200 mm. Trudy inst.  
Kom.stand.,mer i izm.prib no.113-126 '61. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.  
D.I.Mendeleyeva.  
(Interferometry)

TROFIMOVА, N.V.

Contact method for comparing liniated measures with end measures.  
Trudy VNIIM no.37:86-96 '59. (MIRA 13:4)  
(Length measurement)

S/115/60/000/008/001/013  
B019/B063

AUTHOR: Trofimova, N. V.

TITLE: An Interferometer for Measuring Linear Scales of up to  
200 mm

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 8, pp. 2-4

TEXT: The interferometer described in the present paper was designed at the VNIIM im. D. I. Mendeleyeva (All-Union Scientific Research Institute of Metrology imeni D. I. Mendeleyev), and is used to certify standard scales (line standards) of up to 200 mm. It is a double Michelson interferometer with mirrors fastened to ball-bearing carriages. This interferometer may be used to measure line standards in light-wave units. The construction of this instrument is schematically represented in Fig. 1, and a photograph is shown in Fig. 2. One of the carriages carries the line standard to be tested; its position is determined by means of a measuring microscope. The carriages are moved by means of fine thread screws. The measuring microscope has a special sliding holder support as

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An Interferometer for Measuring Linear Scales S/115/60/000/008/001/013  
of up to 200 mm B019/B063

well as a fine thread device for fine adjustment. The whole instrument is regulated by a thermostat which warrants a uniform temperature field pattern gradient with an accuracy of  $\pm 0.01^{\circ}\text{C}$ . A counter for interference bands, combined with a photoelectric microscope, may be used for the automation of measurement. There are 2 figures and 1 Soviet reference.

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TROFIMOVА, N.V.

Checking adjustment measures for beam micrometers. Izm. tekhn.  
no.11:61-62 N '65. (MIRA 18:12)

L 44584-66 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AP6015670 (A) SOURCE CODE: UR/0413/66/000/009/0076/0076

14

B

INVENTOR: Fingauz, I.M.; Zavlina, R. Z.; Trofimova, N. V.; Piastro, O.V.

ORG: none

TITLE: Method of obtaining polyvinyl dimethoxymethane, Class 39,  
No. 181291 [announced by State Scientific Research Institute of  
Polymers (Gosudarstvennyy nauchno-issledovatel'skiy institut polimeriza-  
tsionnykh plastmass)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, otvarnyye znaki, no. 9,  
1966, 76

TOPIC TAGS: polyvinyl, polyvinyl dimethoxymethane

ABSTRACT: An Author Certificate has been issued for a method of obtaining polyvinyl dimethoxymethane by a heterogeneous process of polyvinyl alcohol and formaldehyde which occurs in a water medium upon heating in the presence of hydrochloric acid and an emulsifier. To obtain a finely divided product, carboxymethylcellulose is used as the emulsifier.  
[Translation].

[NT]

SUB CODE: 11/ SUBM DATE: 09Nov64/

Card 1/1 *LJM*

UDC: 678.744.531.07

TROFIMOVA, O.M.

IOYRISH, N.P., kandidat medichnikh nauk; TROFIMOVA, O.M., redaktor;  
KALASHNIKOVA, O.N., tekhnicheskly redaktor

[Wonderful crystals; vitamins] Chudesni krystaly; vitaminy. Kyiv,  
Derzh. uchbovo-pedagog. vyd-vo "Radians'ka shkola," 1956. 87 p.  
(MLBA 10:4)

(VITAMINS)

DOLGOPOL'SKIY, I.M.; DOBLER, Z.F.; YASHINA, A.P.; TROFIMOVA, P.N.

Polymerization of vinyl acetylene. Zhur. prikl. khim. 31 no.8:1234-1240  
Ag '58. (MIRA 11:10)  
(Polymerization) (Butenyne)

TROFIMOVA, R.

My experience. Stroitel' 2 no.7:18 J1 '56.  
(Cranes, derricks, etc) (MIRA 10:1)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8

TROFIMOV A, R.A.; KANGUN, R.B.

Vener from pine. Der. prom. 12 no. 8; 21-22 Ag '63.  
(MIRA 16:11)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8"

TROFIMOVA, R.K.; DEVYATOVA, Z.Ye.

Simple method for potassium determination in cotton leaves.  
Dokl. AN Uz. SSR 21 no.8:42-44 '64. (MIRA 19:1)

1. Institut genetiki i fiziologii rasteniy AN UzSSR. Submitted  
Feb. 8, 1962.

SHLUGER, Ye.G.; BIRIKOVA, V.A.; TROFIMOVA, R.K.

A new chigger species of the genus *Trombicula* (Acariformes,  
Trombiculidae). Trudy Inst. zool. AN Kazakh. SSR 14:182-184  
'60. (MIRA 13:12)

(Turkmenistan—Chiggers (Mites))

TROFIMOVA, R.K.

Method of determining the amount of nitrates and phosphates in  
leaf blades and petioles of the cotton plant. Uzb. biol. zhur.  
no.2:15-21 '59. (MIRA 12:7)

1. Institut genetiki i fiziologii rasteniy AN UzSSR.  
(Cotton--Fertilizers and manures)  
(Plants--Chemical analysis)

STEPANKINA, M.K.; TROFIMOVA, R.M.

Excretory function of the abomasum in cows as affected by estrus.  
Trudy Inst.eksp.biol. AN Kazakh.SSR 3:53-55 '56. (MIRA 10:1)  
(COWS) (ESTRUS) (NITROGEN--ASSIMILATION AND EXCRETION)  
(STOMACH)

TROFIMOVA, R.M.

Treating peritonitis in sheep and camels. Trudy Inst.eksp.biol.  
AN Kazakh.SSR 3:117-119 '56. (MIRA 10:1)

(SHEEP--DISEASES AND PESTS)  
(CAMELS--DISEASES AND PESTS)  
(PERITONITIS)

TROFIMOVA, R.M.

Nervous regulation of some digestive processes in the duodenum  
in sheep and camels. Report No.1. Trudy Inst.fiziol. AN Kazakh.  
SSR 2:72-83 '59. (MIRA 13:7)  
(DIGESTION) (DUODENUM) (NERVOUS SYSTEM)

TROFIMOVA, R.M.

Regulation of the enzymatic activity of the pancreas in sheep.  
Trudy Inst.fiziol. AN Kazakh.SSR 2:84-90 '59. (MIRA 13:7)  
(PANCREAS--SECRETION) (NERVOUS SYSTEM)

TROFIMOVA, S.G.; ABDEYEV, M.A.

Determining the forms of copper compounds in converter slags  
of the second period. Izv. AN Uz.SSR.Ser.tekh.nauk 6 no.2:72-80  
'62. (MIRA 15:7)

1. Gornyy otdel AN UzSSR.  
(Copper--Metallurgy)  
(Slag)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8"

TROFIMOVА, S. G.

ABDEYEV, M.A.; TROFIMOVА, S.G.

Phase analysis for determining zinc compounds constituents. Trudy  
Alt. GMMII AN Kazakh. SSR 1:67-78 '54. (MIRA 10:1)  
(Zinc compounds) (Metallurgical analysis)

BEKTUROV, A.B.; TROFIMOVA, S.G.

Kinetics of the decomposition of phosphorite in phosphoric acid.  
Izv.AN Kazakh.SSR Ser.khim. no.3:62-80 '49. (MLRA 9:8)  
(Phosphorites)

TROFIMOVA, S.G.

Phase analysis of converter slags for lead compounds. Izv. AN Uz.-  
SSR. Ser. tekhn. nauk 6 no.1:75-84 '62. (MIRA 15:2)

1. Gernyy otdel AN UzSSR.  
(Slag--Analysis) (Lead compounds)

TROFIMOVA, S.G.

Mercury reduction method for the determination of magnetite in slags  
from lead smelting. Izv.AN Kazakh.SSR.Sar.mat., obog.i ogneup.  
no.1:55-58 '61. (MIRA 14:6)  
(Slag—Analysis) (Magnetite --Analysis)

SIMONOV, A.M.; GANOVSKIY, A.D.; SHEYNKER, Yu.N.; KHRISTICH, B.I.;  
TROFIMOVA, S.S.

Some transformations of the systems containing an imidazole ring. Part 3: Action of bases of N-methyl-N'-(2,4-dinitrophenyl) imidazolium salts. Zhur. Khim. 33 no.2:571-579 F '63.  
(MIRA 16:2)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.  
(Imidazolium compounds)

BOLDYREV, B.G.; TROFIMOVA, T.A.

Thiosulfonic acids. Part 5: Syntheses and antimicrobial properties  
of some alkyl esters of benzenethiosulfonic acid and its derivatives.  
Zhur. ob. khim. 30 no.12:3993-3998 D '60. (MIRA 13:12)

1. L'vovskiy politekhnicheskiy institut.  
(Benzenethiosulfonic acid)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8

Evapn. am. expt. with BuOH gives 50% Pu-  
and 82%  $\text{I}^{131}\text{BaSO}_4$  plates. These were heated 10-20  
min on hrs. for isoderivs. in aqu.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8"

TROFIMOV A, T. A.

T

Country : USSR  
Category : Human and Animal Physiology, Circulation  
Abo. Jour. : Ref Zhur Biol, No. 2, 1959, No. 8091  
Author : Trofimova, T.A.,  
Institut. :  
Title : The Transition of the Reflex Pressor Reaction of the  
Vascular System into a Depressor Reaction during Anes-  
thesia.  
Orig. Pub. : Byul. eksperim. biol. i med., 1955, 39, No. 2, 21-23  
Abstract : no abstract

Card:

1/1

TROFIMOVА, T. A.

"Naselennye Yuzhnoy Turkmenii i yego peredneaziatskiye i yuzhno-indiyskiye  
svyazi v pervobytnuyu epokhu po danym palyeoantropologii."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

BOLDYREV, B.G.; KOVBUZ, M.A.; TROFIMOVA, T.A.

Thiosulfonic acids. Part 10: Reduction of thiosulfonic acid  
esters on a mercury dropping electrode. Zhur. ob. khim. 35  
no.1:22-27 Ja '65. (MJRA 18:2)

1. L'vovskiy politekhnicheskiy institut.

SOV/79-28-7-47/64

AUTHORS:

Boldyrev, B. G., Trofimova, T. A.

TITLE:

Investigations in the Field of Thiosulfo Acids (Issledovaniye v oblasti tiosul'fonatov) IV. On the Reaction Mechanism of the Formation of Thiosulfonates (IV. O mekhanizme reaktsii obrazovaniya tiosul'fonatov)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol. 28, Nr 7,  
pp. 1940 - 1944 (USSR)

ABSTRACT:

Alkane- and arene-thiosulfoacids can be obtained in the form of salts  $\text{RSO}_2\text{SMe}$  (I) by the action of the halogen anhydrides of sulfo acids on aqueous solutions of potassium sulfide (Refs 1-4). In this reaction process elementary sulfur separates. It is assumed that (Refs 2,3) the thiosulfonates (Formula I) are formed according to the general schemes (1) and (2):  
 $\text{RSO}_2\text{Cl} + \text{K}_2\text{S} \rightarrow \text{RSO}_2\text{K} + \text{KCl} + \text{S}$  (1),  $\text{RSO}_2\text{K} + \text{S} \rightarrow \text{RSO}_2\text{SK}$  (2). It was therefore of interest to the authors to find out whether the earlier mentioned conceptions concerning the formation of thiosulfonates were correct, this the more since just that way, i.e. by the reaction of sulfochloride with potassium bisulfide, 20

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Investigations in the Field of Thiosulfo Acids. IV. SOV/79-28-7-47/64  
On the Reaction Mechanism of the Formation of Thiosulfonates

salts of various thiosulfo acids had been synthesized already earlier (Refs 5-9). In order to prove the possibility of a binding of thiosulfates according to the reaction (2) the potassium salt of the acetyl thiosulfanilic acid was produced(II). Following the mentioned reaction scheme the authors realized, on the basis of this compound, the synthesis of the thiosulfo salts of halogen anhydrides of the sulfo acids and alkali bisulfides through the intermediate stage of formation of sulfinic acids. Thus it was shown that the synthesis of thiosulfonates from the salts of sulfinic acids and elementary sulfur is possible. There are 12 references, 9 of which are Soviet.

ASSOCIATION: L'vovskiy politekhnicheskiy institut (L'vov Polytechnical Institute)

SUBMITTED: June 5, 1957

Card 2/3

Investigations in the Field of Thiosulfo Acids. IV.  
On the Reaction Mechanism of the Formation of Thiosulfonates

SOV/79-28-7-47/64

1. Thiosulfonates--Synthesis    2. Halogen anhydrides--Chemical reactions  
3. Potassium sulfide--Chemical reactions

Card 3/3

TROFIMOVA, T. A.  
USSR/Medicine-Physiology

FD-2422

Card 1/2 Pub 17-5/21

Author : \*Kvasov, Prof D. G. and T. A. Trofimova

Title : On one of the conditioned transitions from pressor reflex reaction of  
the vascular system to depressor reflex reaction.

Periodical : Byul. eksp. biol. i med. 39, 19-21, Jan 1955

Abstract : It is known that irritation of the sciatic nerve causes an increase  
in blood pressure. Some Soviet scientists however, called the scia-  
tic nerve a pressor in contradistinction to the depressor nerve of  
the heart or the sino-carotid nerve whose irritation reduces blood  
pressure. This was disputed by N. Ye. Vvedenskiy and A. A. Ykhotom-  
skiy. The possibility of "remodeling" the pressor into a depressor  
had already been shown by I. P. Pavlov in 1878. Authors therefore  
studied the role of stimulation of the receptors of internal organs  
by observing the reaction of the vascular system to the stimulation

FD-2422

Card 2/2

of the sciatic nerve. There were two series of experiments; first sustained, but weak stimulation of stomach and intestinal receptors resulting in a sharp, prolonged rise of blood pressure. Second: repeated short stimuli of considerable force of stomach receptors producing a decrease of the blood pressure. Further report on continued experiments will follow in later papers. No references.

Institution: Chair of Normal Physiology (\*Head, Prof. D. G. Kvasov) of the Leningrad Pediatrics Medical Institute, Leningrad

Submitted : February 19, 1954

TROFIMOVA, T.A.

Transfer of a pressor to a depressor reflex reaction of the cardio-  
vascular system during narcosis. Biul.eksp.biol. i med. 39 no.2:21-  
(MLRA 8:5)  
23 F '55.

1. Iz kafedry normal'noy fiziologii (zav. prof. D.G.Kvasov) Lenin-  
gradskogo pediatricheskogo meditsinskogo instituta.

(BLOOD PRESSURE, physiology,

eff. of pain stimulus with & without narcosis in cats)

(PAIN, physiology,

eff. on blood pressure with & without narcosis in cats)

(SLEEP, physiology,

eff. of pain stimulus on blood pressure with & without  
narcosis in cats)

TROFIMOVA, T.A.

Role of the irritation of gastric interoceptors and venous disorders in the pathogenesis of pancreatitis. Vest.khir. 75 no.4: (MIRA 8:8) 82-88 My '55.

1. Iz kafedry normal'noy fiziologii (zav.-prof. D.G.Kvasov) Leningradskogo pediatricheskogo meditsinskogo instituta i Leningradskogo nauchno-issledovatelskogo instituta skoroy pomoshchi im. Yu.Yu. Dzhanslidze (nauchn. ruk.-prof. F.G.Uglov). Leningrad, 178, Vasil'yevskiy strov, 10 liniya, d. 15-b, kv. 13.

(PANCREATITIS, etiology and pathogenesis,  
role of gastric interoceptors irritation & venous disord.  
of pancreas)

(STOMACH, innervation,  
interoceptors irritation, role in pathogen. of pancreatitis)

"APPROVED FOR RELEASE: 03/14/2001

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15223 Department of SELECT with an equinocial amt. of

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8"

TROFIMOV, T.A.  
BOLDYREV, B.G.; TROFIMOV, T.

Research in the field of thiosulfo acids. Part 2: On some alkyl  
esters of propanethiosulfo acids and 2-methylpropanethiosulfo  
acids. Zhur. ob. khim. 27 no.4:1006-1011 Ap '57. (MLRA 10:8)

1. L'vovskiy politekhnicheskiy institut.  
(Thiosulfurous acid)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756710006-8"

LAZNIKOVA, T.N.; MAKAREVICH, V.G.; TROFIMOVA, T.G.

Colorimetric determination of chlortetracycline in a turbid culture  
liquid. Lab. delo 6 no.4:23-24 Jl-Ag '60. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,  
Moskva.  
(AUREOMYCIN) (COLORIMETRY)

TROFIMOVА, T.G.

3542. TROFIMOVА, T.G. Redis i Salat. Minsk, Gosizdat BSSR, Red. s-kh.  
Lit., 1954. 67s. S ill. 14sm. 15,000ekz. 50k.—Na obl. avt. Ne Uказаны—  
Na Belorus. Yaz.—(54-57119) 635.15 + 635.5

SO: Knizhnaya Letopis', Vol. 3, 1955

L 28366-46 ENT(1)/ENT(m)/ETC(f)/EWG(m)/T/EWP(e)/EWP(t)/ETI IJP(c) CG/AT/WH/  
ACC NR: AP6013075 JD/JG SOURCE CODE: UR/0048/66/030/004/0664/0667

AUTHOR: Trofimova (Eksina), T.I.; Kuusman, I.L.

ORG: Institute of Physics and Astronomy, EstSSR (Institut fiziki i astronomii, B  
EstSSR)

TITLE: Recombination luminescence of activated ionic crystals under stimulation with  
slow electrons /Report, Fourteenth Conference on Luminescence held in Riga 16-23  
September 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 4, 1966, 664-667

TOPIC TAGS: crystal phosphor, recombination luminescence, cathodoluminescence,  
alkali halide, scintillator, ionic crystal, electron, electron hole, electron  
energy, iodide, alkali, radiation effect

ABSTRACT: From the standpoint of investigation of the elemental stages of cathodo-  
luminescence - a form of luminescence in which a predominant role is played by  
electron-induced excitations of the crystal lattice - the interesting range of  
electron energies extends from 1 to 10 000 eV. In view of this there has been under-  
taken at Tartu (Institute of Physics and Astronomy of the Estonian SSR Academy of  
Sciences) a comprehensive program of investigations of the luminescence of ionic  
crystals stimulated by 20 to 5000 eV electrons. The present study, which is part of  
this program, was concerned with the kinetics of the luminescence of alkali iodides.

Card 1/3

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ACC. NR. AP6013075

in a wide temperature range (approximately 120 to 500°K) with a view to determining the relative roles of the exciton and electron-hole mechanisms and elucidating the nature of the elementary processes involved in the mechanism of radiation effects. Monoenergetic (within 1-2 eV) electron beams were obtained by conventional techniques for the 1000 to 5000 eV range and by means of special guns (A.R.Shul'man and S.A. Fridrikhov, Fizika Shchelochnogaloidnykh kristallov, p. 263, Izd. Latv. un-ta, Riga, 1962) for the 100 to 1000 eV range. The specimens were thallium activated KI, RbI, and CsI crystals. The luminescence of the crystals consists of a short-duration ( $< 10^{-6}$  sec) component (associated primarily with the exciton mechanism and possibly with a fast electron-hole energy transfer mechanism in the case of CsI:Tl) and a persistent ( $> 10^{-6}$  sec) component (electron-hole emission). A figure gives the temperature dependence of the total luminescence and of the brief and persistent components, together with the glow curves for RbI:Tl. These curves are discussed and analyzed. The authors also investigated the cathodoexcitation functions: variation of the luminescence intensity with the incident electron energy (at a constant beam current). The data are presented in graphic form. The increasing energy curve diverges somewhat from the decreasing energy curve; this is attributed to experimental factors (charge build-up and variation of the vacuum). In addition the authors observed scintillation of KI:Tl and CsI:Tl under the action of single square 800 microsec pulses of 100 to 1000 eV electrons. The fact that scintillations were observed and the fact that NaCl:Tl and KCl:Tl yield thermostimulated luminescence after excitation with 20 eV electrons indicate that even such low electrons excite the mercury-

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like ions in alkali halide phosphors with reasonable efficiency. The desirability of further studies is noted. In conclusion, the authors express their sincere gratitude to Ch.B.Lushchik for guidance in the work. Orig. art. has: 2 figures.

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TROFIMOVA, T.M. (Moskva)

Dynamics of protein fractions of blood serum in rheumatic fever.  
Klin. med. 37 no.5:45-46 My '59. (MIRA 12:8)

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(RHEUMATISM, blood in proteins (Rus))

(BLOOD PROTEINS, in various dis. rheum. (Rus))

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Rheumatological Conference in Stalinsk. Vop.revn. 1 no.2:89-90  
(MIRA 16:4)  
Ap-Je '61.  
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TROFIMOVA, T.M., kand.med.nauk

Bentonite test in the diagnosis of infectious nonspecific poly-  
arthritis. Vop.revm. 1 no.4:28-31 O-D '61. (MIRA 16:3)

1. Iz otdeleniya infektsionnykh nespetsificheskikh artritov (zav. -  
prof. M.G. Astapenko) i laboratorii mikroimmunologii (zav. - kadn.  
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instituta revmatizma (dir. - deystvitel'nyy chlen AMN SSSR prof.  
A.I. Nesterov) Ministerstva zdravookhraneniya RSFSR.  
(ARTHRITIS, RHEUMATOID)

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Polyserositis in infecticus nonspecific polyarthritis. Terap.arkh.  
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1. Iz otdeleniya infektarritov (zav. .. doktor med.nauk M.G.  
Astapenko) Gosudarstvennogo nauchno-issledovatel'skogo insti-  
tuta revmatizma.  
(ARTHRITIS) (SEROUS MEMBRANES—INFLAMMATION)

GRIGOR'YEVA, M.P.; SACHKOV, V.I.; TROFIMOVA, T.M.

Comparative evaluation of tests with bentonite, dermatol and latex used for the diagnosis of infectious nonspecific poly-  
arthritis. Terap.arkh. no.6:68-71 '62. (MIRA 15:9)

1. Iz laboratorii mikroimmunologii (rukovoditel' - kand.med.nauk  
V.I. Sachkov) i otdeleniya infektartritov (rukovoditel' - prof.  
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chlen AMN SSSR prof. A.I. Nesterov) AMN SSSR.  
(ARTHRITIS) (MEDICAL TESTS)